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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"random number".clm. and generator.clm. and scrambl$4.clm. and video.clm. and multiplex.clm. and watermark$4.clm. and key.clm. and signal.clm. and encod$3.clm. and input$3.clm. and output$3.clm. and descramble$3.clm.	USPAT	OR	OFF	2006/02/24 15:12
L2	4	"random number" and generator and scrambl$4 and video and multiplex and watermark$4 and key and signal and encod$3 and input$3 and output$3 and descramble$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26
L3	571	380/210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:17
L4	2882	380/219 or 380/37 or 713/176	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:20
L5	2351	287/53 or 283/13 or 382/276 or 705/75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:21
L6	5437	5 or 4 or 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:21
L7	1	6 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:22

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L8	107	koto.inv. and shinichiro	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:22
L9	4	"random number" and generator and scrambl$4 and video and multiplex and watermark$4 and key and signal and encod$3 and descramble$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26
L10	16	"random number" and generator and scrambl$4 and video and multiplex$3 and watermark$4 and key$3 and signal$2 and encod$3 and descramble$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26

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1 An intelligent video pattern generator for use in ophthalmology

M. S. Obaidat, D. S. Abu-Saymeh

March 1993 **Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: st**

Publisher: ACM Press

Full text available: pdf(524.58 KB) Additional Information: full citation, references, index terms

2 Low power scalable encryption for wireless systems

James Goodman, Anantha P. Chandrakasan

January 1998 **Wireless Networks**, Volume 4 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(7.39 MB) Additional Information: full citation, abstract, references,

Secure transmission of multimedia information (e.g., voice, video, data, etc.) is critical in many transmission imposes constraints not found in typical wired systems such as low power consum scalability. A variety of low power techniques have been developed to reduce the power of seve exploiting the variation in computation requirements to dynamically vary th ...

3 A reconfigurable hardware approach to network simulation

Dimitrios Stiliadis, Anujan Varma

January 1997 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 7

Publisher: ACM Press

Full text available: pdf(925.18 KB) Additional Information: full citation, references, citings, index terms,

Keywords: ATM switch scheduling, field-programmable gate array, hardware simulation

4 System architectures for computer music

John W. Gordon

June 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 2

Publisher: ACM Press

Full text available: pdf(4.61 MB) Additional Information: full citation, abstract, references,

Computer music is a relatively new field. While a large proportion of the public is aware of com

be a need for a better understanding of its capabilities and limitations in terms of synthesis, pe addresses that need by surveying and discussing the architecture of existing computer music s what the system will be used for. Common uses for co ...

5 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, A
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '0**

Publisher: ACM Press

Full text available: pdf(63.03 MB) Additional Information: full citation, abstract

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely architectures provide tremendous memory bandwidth and computational horsepower, with fully that support vector operations up to full IEEE floating point precision. High level languages hav computational power accessible. Architecturally, GPUs are highly parallel s ...

6 Dynamic bandwidth allocation in a network

K. Maly, C. Overstreet, X. Qiu, D. Tang
August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceedin protocols SIGCOMM '88**, Volume 18 Issue 4

Publisher: ACM Press

Full text available: pdf(1.06 MB) Additional Information: full citation, abstract, references,

Recently protocols have been introduced which enable us to integrate periodic traffic (voice or v size of local area networks without any loss in speed and capacity. One of these, the DRAMA pr allows for dynamic allocation of bandwidth to clusters of nodes in the total network. In this pap bandwidth in a fair manner, where we have ...

7 On the effects of adaptive forward error correction mechanism in direct broadcast satellite

Fatih Alagöz, David Walters, Amina Alrustamani, Branimir Vojcic, Raymond Pickholtz
August 1999 **Proceedings of the 2nd ACM international workshop on Modeling, analysi systems**

Publisher: ACM Press

Full text available: pdf(877.12 KB) Additional Information: full citation, references, citings, i

8 Traffic generation and analysis: Self-configuring network traffic generation

Joel Sommers, Paul Barford
October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measureme**

Publisher: ACM Press

Full text available: pdf(1.22 MB) Additional Information: full citation, abstract, references,

The ability to generate repeatable, realistic network traffic is critical in both simulation and testl date have been limited to either simple sequenced packet streams typically aimed at throughpu on, for example, recreating representative HTTP requests. In this paper we describe Harpoon, a representative packet traffic at the <i>IP flow lev ...

Keywords: network flows, traffic generation

9 A decade of reconfigurable computing: a visionary retrospective

R. Hartenstein
March 2001 **Proceedings of the conference on Design, automation and test in Europe**

Publisher: IEEE Press

Full text available: pdf(768.00 KB) Additional Information: full citation, references, citings, index terms

10 Sequential thematic organization of publications: how to achieve coherence in proposals a



J. R. Tracey, D. E. Rugh, W. S. Starkey
August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3
Publisher: ACM Press
Full text available: pdf(3.80 MB) Additional Information: full citation, index terms

11 Link-sharing and resource management models for packet networks
Sally Floyd, Van Jacobson
August 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 4
Publisher: IEEE Press
Full text available: pdf(2.51 MB) Additional Information: full citation, references, citings, index terms

12 Is service priority useful in networks?



Sandeep Bajaj, Lee Breslau, Scott Shenker
June 1998 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 19 conference on Measurement and modeling of computer systems SIGMETR**
Publisher: ACM Press
Full text available: pdf(1.44 MB) Additional Information: full citation, abstract, references,

A key question in the definition of new services for the Internet is whether to provide a single c differentiated by their delay characteristics. In that context we pose the question: is service pri some of our earlier work, to properly address this question one cannot just consider raw netwoi distribution. Rather, one must incorporate two new el ...

13 On the use of self-similar processes in network simulation



José C. López-Ardao, Cándido López-García, Andrés Suárez-González, Manuel Fernández-Veiga, Ra
April 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volum
Publisher: ACM Press
Full text available: pdf(1.31 MB) Additional Information: full citation, abstract, references,

Several recent traffic measurement studies have convincingly shown the presence of self-simila very important revolution in the stochastic modeling of traffic. Thus the use of self-similar proce in network performance analysis, mainly in simulation studies, where the efficient synthetic ger self-similar traffic is one of the main topics. In this art ...

Keywords: fractional ARIMA, long-range dependence, self-similar processes, synthetic generat

14 Multi-hour, multi-traffic class network design for virtual path-based dynamically reconfigura
D. Medhi
December 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 6
Publisher: IEEE Press
Full text available: pdf(1.12 MB) Additional Information: full citation, references, citings, i

Keywords: duality and subgradient optimization, dynamic virtual path routing, multi-hour netv optimization model, wide-area ATM networks

15 QoS provisioning in wireless multimedia: A controlled-access scheduling mechanism for Q LANs

Yaser Pourmohammadi Fallah, Hussein Alnuweiri

October 2005 **Proceedings of the 1st ACM international workshop on Quality of service & Q2SWinet '05**

Publisher: ACM Press

Full text available: pdf(274.24 KB) Additional Information: full citation, abstract, references,

Wireless Local Area Networks (WLAN) are being deployed at a rapid pace and in different envirc diverse range of applications over wireless access networks is becoming increasingly important. Video and Voice, have specific delay and bandwidth requirements that cannot be fulfilled by the this issue, new enhancements are being introduced to the Medium Access C ...

Keywords: 802.11e, QoS, WFQ, multimedia over WLAN, virtual packet scheduling, wireless LA

16 Risks to the public in computer systems

Peter G. Neumann

October 1986 **ACM SIGSOFT Software Engineering Notes**, Volume 11 Issue 5

Publisher: ACM Press

Full text available: pdf(2.19 MB) Additional Information: full citation, index terms

17 The Personal Presence System—hardware architecture

M. Lukacs

October 1994 **Proceedings of the second ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(957.84 KB) Additional Information: full citation, abstract, references,

The Personal Presence System (PPS) experimental prototype is being designed to support multi advanced video combining techniques. This paper is a companion to another paper in this proce Area Network Service Resource for the Real Time Composition of Multipoint Multimedia Commu description.This paper describes the architecture of the A ...

18 Efficient frequency domain video scrambling for content access control

Wenjun Zeng, Shawmin Lei

October 1999 **Proceedings of the seventh ACM international conference on Multimedia (**

Publisher: ACM Press

Full text available: pdf(1.65 MB) Additional Information: full citation, abstract, references,

Multimedia data security is very important for multimedia commerce on the Internet such as vi Traditional cryptographic algorithms for data security are often not fast enough to process the v applications to meet the real-time constraints. This paper presents a joint encryption and comp scrambled efficiently in the frequency domain by employing selective bit scr ...

Keywords: compression, content access control, multimedia commerce, multimedia encryptior scrambling

19 A fast MPEG video encryption algorithm

Changgui Shi, Bharat Bhargava

September 1998 **Proceedings of the sixth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(805.58 KB) Additional Information: full citation, references, citings, i

Keywords: DES, MPEG codec, MPEG video encryption, multimedia data security

20 Spoken-word direction of computer program synthesis



Alvin J. Surkan
June 2000 **ACM SIGAPL APL Quote Quad , Proceedings of the international conferenc**
Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(703.39 KB) Additional Information: full citation, abstract, references,

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Keywords: chatting in context, computer program synthesis, constructive composition of funct incremental verbal software specification, spoken computer commands, talking with computers,

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Lightwave Technology, Journal of
Volume 23, Issue 10, Oct. 2005 Page(s):3219 - 3231
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2. **Scrambling and controlling access to an all-digital broadcast programme**
Angebaud, D.; Giachetti, J.L.;
Broadcasting Convention, 1992. IBC., International
3-7 Jul 1992 Page(s):224 - 228
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3. **Influence of coding and hardware imperfections on the bit error structure QAM systems**
Bessai, H.J.; Lorek, W.;
Communications, IEEE Transactions on
Volume 37, Issue 6, June 1989 Page(s):626 - 634
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4. **The D-MAC transmission system for satellite broadcasting in the United I**
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Volume 2, Issue 1, Feb. 1990 Page(s):11 - 16
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 Tianpu Jiang; Yongmin Hou; Shibao Zheng;
 Consumer Electronics, IEEE Transactions on
 Volume 50, Issue 3, Aug. 2004 Page(s):882 - 886
 Digital Object Identifier 10.1109/TCE.2004.1341695
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2. **A novel bitmap analysis technique - test sensitivity intensity bitmap**
 Chan Huan Gim;
 Physical and Failure Analysis of Integrated Circuits, 2002. IPFA 2002. Proceed
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